

## LC3B Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10857
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Recombinant Protein of MAP LC3 $\beta$
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IF, ICC, IHC-p
<b>Concentration</b>	
<b>Full name</b>	Microtubule-associated proteins 1A/1B light chain 3B
<b>Synonyms</b>	Microtubule-associated proteins 1A/1B light chain 3B; MAP1LC3B; MAP1ALC3; Microtubule-associated proteins 1A/1B light chain 3B; Autophagy-related protein LC3 B; Autophagy-related ubiquitin-like modifier LC3 B; MAP1 light chain 3-like protein 2; MAP1A/MAP1B light chain 3 B; MAP1A/MAP1B LC3 B; Microtubule-associated protein 1 light chain 3 beta

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The product of this gene is a subunit of neuronal microtubule-associated MAP1A and MAP1B proteins, which are involved in microtubule assembly and important for neurogenesis. Studies on the rat homolog implicate a role for this gene in autophagy, a process that involves the bulk degradation of cytoplasmic component.

### Recommended Dilution

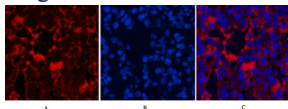
WB: 1: 1000 - 1: 2000

IHC: 1: 200 - 500

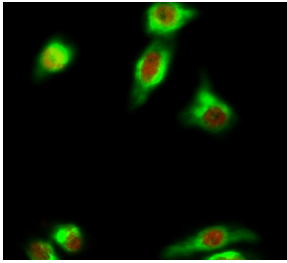
IF: 1: 200

Not yet tested in other applications.

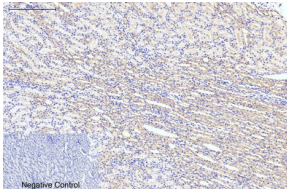
### Images



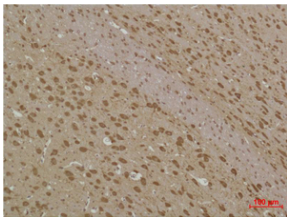
Immunofluorescence analysis of HeLa cell. Cleaved-PARP-1 (D214) Polyclonal Antibody(Red) was diluted at 1:200(4°C overnight). LC3B Polyclonal Antibody(Green) was diluted at 1:200(4°C overnight).



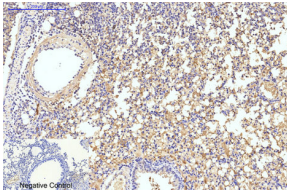
Immunofluorescence analysis of Mouse-lung tissue. 1,LC3B Polyclonal Antibody(Red) was diluted at 1:200(4°C overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min), 3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



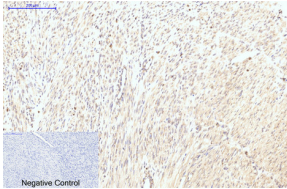
Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. 1,LC3B Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



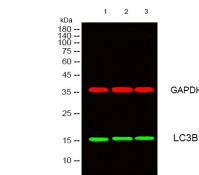
Immunohistochemical analysis of paraffin-embedded Rat-kidney tissue. 1,LC3B Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



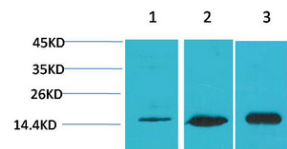
Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,LC3B Polyclonal Antibody was diluted at 1:200(4°C overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using MAP LC3β Polyclonal Antibody.



Western blot analysis of lysates from 1) HeLa, 2) 3T3, 3) Rat Brain Tissue cells, (Green) primary antibody was diluted at 1:1000, 4°C overnight, secondary antibody was diluted at 1:10000, 37°C 1 hour. (Red) GAPDH Monoclonal Antibody(2B8) antibody was diluted at 1:5000 as loading control, 4°C overnight, secondary antibody was diluted at 1:10000, 37°C 1 hour.



Western blot analysis of 1) HeLa, 2) 3T3, 3) Rat Brain Tissue using MAP LC3β Polyclonal Antibody. Secondary antibody was diluted at 1:20000

### Storage

-20°C for 1 year

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